

8. The electronic device of claim 7, wherein, when the first external connector is inserted into the receptacle, the circuit adjusts the audio output signal, based on the measured voltage or impedance, and provides the adjusted audio output signal to the first external connector.

9. The electronic device of claim 7, wherein the circuit grounds a first one of the contacts of a first, second or third external connector inserted into the receptacle and identifies the type of the external connector inserted into the receptacle, based on the measured voltage or impedance, between a second contact of the external connector and the ground.

10. A method of controlling the output based on a type of connector comprising:

determining whether a first, second or third external connector is inserted into a receptacle, via a circuit connected to the receptacle, wherein the receptacle is configured to receive the first, second or third external connector, each of the first and second connector includes a first number of contacts, and the third external connector includes a second number of contacts less than the first number of contacts;

providing an audio output signal to the first external connector in a first manner when the first external connector is inserted into the receptacle;

providing an audio output signal to the second external connector in a second manner which differs from the first manner when the second external connector is inserted into the receptacle; and

providing an audio output signal to the third external connector in a third manner which differs from the first and second manners when the third external connector is inserted into the receptacle.

11. The method of claim 10, wherein the first number of contacts is four, and the second number of contacts is three.

12. The method of claim 10, wherein

the first external connector is connected to an external audio device including first and second speakers; and providing the audio output signal to the first external connector in the first manner comprises providing audio output signals to the first and second speakers via two of the first number of contacts of the first external connector.

13. The method of claim 12, further comprising:

receiving, when the first external connector is inserted into the receptacle, audio output signals from the external audio device, via the two contacts and another contact from among the first number of contacts of the first external connector.

14. The method of claim 10, wherein

the second external connector is connected to an external audio device including first and second speakers; and providing the audio output signal to the second external connector in the second manner comprises providing a first audio output signal to the first speaker via two of the first number of contacts of the second external connector and a second audio output signal to the second speaker via two other contacts of the first number of contacts.

15. The method of claim 10, wherein determining whether the first, second or third external connector is inserted into the receptacle comprises:

measuring voltage or impedance via at least part of the contacts of the first, second or third external connector inserted into the receptacle; and

identifying a type of the external connector inserted to the receptacle, based on the measured voltage or impedance.

16. The method of claim 15, wherein providing the audio output signal to the first external connector comprises:

adjusting the audio output signal, based on the measured voltage or impedance; and

providing the adjusted audio output signal to the first external connector.

17. The method of claim 15, wherein determining whether the first, second or third external connector is inserted into the receptacle further comprises:

grounding a first one of the contacts of the first, second or third external connector inserted into the receptacle; and

measuring the voltage or impedance between a second contact of the external connector and the ground.

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